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NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

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### 1. [3.11: Research Tools](#)

Release Date: 01-31-2012Open Date: 03-05-2012Due Date: 01-08-2013Close Date: 01-08-2013

The NIAAA supports the development of new or improved tools to enhance the ability to conduct alcohol-related laboratory studies on humans and animals and to more effectively analyze data from large databases. Examples include transgenic animal models, cell lines, new ligands for neuroimaging, and simulators of alcohol impairment. Areas that may be of interest to small businesses include, but are ...

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### 2. [3.12: Development of Biomolecular Signatures of Alcohol Exposure and Alcohol-induced Tissue Injury](#)

Release Date: 01-31-2012Open Date: 03-05-2012Due Date: 01-08-2013Close Date: 01-08-2013

Acute and chronic alcohol consumption leads to health-related complications and ultimately to significant societal costs. Quantitative and qualitative markers of high-risk drinking behavior and alcohol-induced tissue damage would greatly improve medical efforts to recognize and treat alcohol-related disorders. Traditional biomarkers currently in clinical use lack specificity, sensitivity, and accu ...

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### **3. 3.13: Clinical Testing of Biochemical Markers**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

The development of effective biochemical markers represents a powerful means for early diagnosis and treatment of alcohol dependent/abuse patients and for the identification of individuals who have a predisposition for alcoholism. There are two different types of biochemical markers: trait markers and state markers. Trait biomarkers have the ability to detect inborn characteristics of individual ...

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### **4. 3.14: Stem Cell Research for Alcohol-induced Disorders**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

Stem cells are master cells in the body and they have the remarkable potential to develop into many different cell types. Stem cells may become a renewable source of replacement cells to treat alcohol related diseases. They can also be used to study disease processes, and to develop new and more effective drugs. Recent research progress on stem cells has offered great opportunities to study cond ...

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### **5. 3.15: Real-time Detection of Neurochemical Changes in Response to Alcohol Drinking**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

Many pharmacological mechanisms of ethanol action in the brain are mediated by time-dependent neurochemical events in multiple brain regions. Despite great progress in identifying ethanol's neurochemical actions, we do not fully know how neurochemicals change in real time following ethanol administration and drinking (acute and chronic). Multidimensional measurement of neurochemical change ( ...

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### **6. 3.16: Develop Network Pharmacology Strategy for Preclinical Medication Development**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

The frequent failure of using highly selective drugs for disease treatment has challenged the concept of "one gene, one drug and one disease" and led to the emergence of a new paradigm, network pharmacology, as a drug development and treatment strategy. This strategy combines the knowledge of biological networks with multiple drug targets to simultaneously regulate multiple pathways pe ...

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## **7. 3.17: Other Research Topic(s) Within the Mission of the Institute**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

For additional information on research topics, contact: Gary J. Murray, Ph.D. National Institute on Alcohol Abuse and Alcoholism 5635 Fishers Lane, Room 2037 Bethesda, MD 20892-9304 For Federal Express delivery, use: Rockville, MD 20852-1705 Phone: 301-443-9940 Email: Gary.Murray@nih.gov For administrative and business management questions, contact: Ms. Judy Fox Grants ...

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## **8. 4: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

The NIAID's Division of AIDS, Division of Allergy, Immunology, and Transplantation, and Division of Microbiology and Infectious Diseases fund SBIR/STTR grants on topics related to their mission and activities as described below. Questions on specific research areas may be addressed to the NIAID Program Officials listed below. General questions on the NIAID SBIR and STTR programs and on adminis ...

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## **9. 4.1: Limited Amount of Award (Total not Annual)**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

For budgetary or programmatic reasons, NIAID may decrease the length of an award or the amount of an award from that approved by peer review. Applicants considering requesting a Phase I grant greater than \$300,000 total cost or a Phase II grant greater than \$2 million total cost are strongly encouraged to contact Gregory Milman (below) before submitting an application.

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## **10. 4.2: Phase IIB SBIR Competing Renewal Awards**

Release Date: 01-31-2012 Open Date: 03-05-2012 Due Date: 01-08-2013 Close Date: 01-08-2013

The NIAID will accept Phase IIB SBIR Competing Renewal grant applications to continue the process of developing products that require approval of a regulatory agency (e.g., FDA). Projects that are particularly encouraged include those in the NIAID Small Business High Priority Areas of Interest (<http://www.niaid.nih.gov/researchfunding/sb/pages/sbirareas.aspx>). NIAID will not accept Phase IIB STTR ...

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